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Vol 2, No 9

other phase of the alloy from the electrolyte. From these data the distribution of the current was determined graphically and the mean corrosion current calculated. The apparatus proposed by us makes it possible to measure potentials, both directly on the structural components of an alloy, and at different distances from the surface under investigation, with simultaneous observation of the corroding surface under the microscope. By using the proposed apparatus, the microcapillary may be adjusted blind to a quite specific, previously selected point of the surface under investigation, which is especially important if the corrosion process being studied takes place with hydrogen depolarization. The fact that different types of microscopes may be used is also a great advantage of this apparatus.

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Trans. of Promyshlennoe Stroitel'stvo (USSR) 1961,
v. 39, no. 2, p. 49-53.

DESCRIPTORS: *Metals, *Corrosion, Buildings,
Construction, Materials, Joints, *Corrosion inhibition,
Coatings.

(Metallurgy--Corrosion, TT, v. 9, no. 9)

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DESCRIPTORS: *Alloys, *Corrosion, *Metallic
crystals.

(Metallurgy--Corrosion, TT, v. 6, no. 3)

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I. A. Akimov.

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ON THE LUMINESCENCE OF DYESTUFFS AD-
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4p. 19 refs.

Order from OTS or SLA \$1.10

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Trans. of Russian language article from unidentified
source, n.d.

DESCRIPTORS: *Luminescence, *Semiconductors, *Ad-
sorption, *Dyes, Silver compounds, Halides, Intensity.

Fluorescein eosin, erythrosine, rhodamine B extra,
methylene blue, chlorophyll, magnesium phthalocyanine,
3,3'-diethylthiatricarbocyanineiodide, 3,3'-9-triethyl-
4,5, 4', 5'-dibenzothiacarbocyaninebromide and 3,3'-
diethyl-5,5'-dinitrothiacarbocyanine -p toluosulfonate
did not luminesce in an adsorbed condition on ZnO,
PbO and on the halides of silver and thallium. However,
(Chemistry--Physical, TT, v. 7, no. 8) (over)

61-20983

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Mechanism of Sensitization of the Internal Photo-
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~~Y. V. Chiv, No 1, Jan 1964, pp 164-167.~~

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Photoelectric Sensitivity Spectra in Semiconductors
Determined by Various Methods

By I. A. Akimov and E. K. Putseiko pp 5

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Aklmoy, I. A. and Terenin, A. N.
SENSITIZATION OF THE PHOTOEFFECT IN SEMI-
CONDUCTORS BY ORGANIC ACID-BASE INDICA-
TORS AS DYES. [1960] 5p.
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